

Handout 109	Solid Waste Service Company Review and Collection Space Standards	 CITY OF ISSAQUAH WASHINGTON Development Services Department 1775 – 12 th Ave. NW P.O. Box 1307 Issaquah, WA 98027 425-837-3100 DSD@issaquahwa.gov
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Review and approval of solid waste collection spaces and enclosures is required for all projects. Please reference the City’s Solid Waste Collection Space Standards (attached) for additional information. Following review, please submit to the Development Services Department.

Name of Developer/Architect: _____

Address: _____

Phone: _____ **E-mail:** _____

Address of Proposed Building Site: _____

Parcel # of Proposed Building Site: _____

Future Name of Proposed Building Site: _____

The solid waste collection company which services the City of Issaquah has reviewed the site plans of the proposed development and provides the following information.

Access

- ☐ Solid waste collection space or enclosure is accessible for users and collection vehicles.
- ☐ Solid waste collection space or enclosure is NOT accessible for users or collection vehicles.
- ☐ Solid waste collection space or enclosure requires modifications (note below)

Size / Design

- ☐ Solid waste collection space or enclosure provides sufficient space to accommodate the garbage, recycling and food waste containers for this type of facility.
- ☐ Solid waste collection space or enclosure is NOT large enough to accommodate the size of garbage and recycling containers which are warranted for this type of facility.
- ☐ Solid waste collection space or enclosure requires modifications (note below)

Comments

By: Recology CleanScapes

425-837-1234

Name of Company Representative

Authorized Signature

Date

I. Solid Waste Collection Space Standards

These are the City's standards and guidelines to provide adequate facilities for waste and recycling collection in commercial and multifamily projects. Compliance with these standards and guidelines provides a number of benefits, including:

- A higher rate of recycling through adequate space for recycling and food waste containers;
- Improved aesthetics through appropriate enclosing of unsightly waste containers; and
- Safer and more functional waste collection service.

This document has been developed to provide assistance to property owners developing property within the City limits. This document contains:

- Waste generation forecasts
- Container and truck sizes
- Waste truck turning templates for site planning
- Minimum dumpster enclosure requirements

II. Determine how much waste your project will generate

The following table is an approximate guideline for total (garbage, food waste, and recyclables) waste generation by use. Proportions will vary in commercial projects.

Classification	Building Types	Quantities of Waste Generated
Apartments	Singles or no children	1-1.5 cu. yd. per unit per month
	Family	1.5-2 cu. yd. per unit per month
Commercial Buildings	Office	1 cu. yd. per 10,000 sq. ft. per day
	Department Store	1 cu. yd. per 2,500 sq. ft. per day
	Shopping Centers	Varies with type of tenant handled
	Supermarkets	1 cu. yd. per 1,250 sq. ft. per day
	Restaurants	Varies w/no. of meals served & type of food
	Drugstores	1 cu. yd. Per 2,000 sq. ft. per day
	Banks	Survey required
Hotels & Motels	High Occupancy	1/2 cu. yd. per room per week + restaurants
	Average Occupancy	1/6 cu. yd. per room per week + restaurants
Warehouses		Varies with type of activity
Factories		Varies with type of activity
Institutions	Hospitals	1 cu. yd. per five occupied beds per day
	Nursing Homes	1 cu. yd. per fifteen persons per day
	Rest & Retirement Homes	1 cu. yd. per fifteen persons per day
Schools	Grade Schools	1 cu. yd. per eight rooms per day
	High Schools	1 cu. yd. per ten rooms per day
	Universities	Survey required

Separate containers must be provided for garbage, recyclables, and food waste. Remember, the figures above are for total waste; in residential projects, about 25% will be food waste, 37% recyclables, and 37% garbage. Proportions will vary in commercial projects; work with the Office of Sustainability and your hauler to determine the appropriate mix.

Waste can be picked up once a week, or more frequently. However, weekly pick up is less expensive per run than multiple pickups per week. Discuss pricing specifics with the hauler.

Containers are available in the following sizes:

- 64 gallon cart (about 1/3 cubic yard)
- 96 gallon cart (about ½ cubic yard)
- 1 cubic yard on rollers
- 1.5 cubic yard on rollers
- 2 cubic yard on rollers
- 3 cubic yard on rollers
- 4 cubic yard on rollers
- 6 cubic yard not on rollers
- 8 cubic yard not on rollers
- Roll-off containers (10-50 cubic yard) are also available for larger commercial sites
- Various compactor options are also available.
- Wildlife resistant container options are available for some sizes

Based on the above anticipated waste generation, pick up frequency, and design standards/guidelines outlined below, determine how many and what size dumpsters will be required.

III. Design Standards

The following design standards must be complied with:

- Separate garbage, recycling and food waste dumpsters must be provided, and located in the same enclosure.
- All trash containers shall be maintained inside of a minimum six foot high enclosure designed to extend a minimum of one foot above the height of the container and shall provide a 100% sight-obscuring fence or wall and appropriate landscape screen (Type 1 landscaping, minimum 3 to 5 feet wide) on all sides abutting adjacent properties, the street or public areas, except for vehicular access side (IMC 18.12.130 Additional Landscape Requirements for fences, hedges, trash enclosures and mechanical equipment).
- Enclosure pads shall slope toward an opening to allow drainage. The pad shall not exceed a 3% grade and shall be concrete.
- Dumpsters and trash compactors shall be located away from storm drains (at least 15 feet).
- Cover dumpsters, or keep them under cover, to prevent the entry of stormwater.
- All trash compactors shall be connected to sanitary sewer (separated from storm drains).
- For dumpsters on rollers, the area at the front of the enclosure, where the dumpster will be pulled out for servicing, shall not exceed a 3% grade, to prevent runaway dumpsters. For stationary dumpsters, any cross slope in front of the enclosure shall not exceed 10%.
- Waste truck accessibility to the dumpster enclosures is limited by the attached turning templates. Dumpsters on rollers may be rolled out to the front of the enclosure, while stationary dumpsters must be picked up from within the enclosure.
- Gate doors at the fronts of enclosures shall open with a 180 degree swing, and include gate stops (see attached detail). Any roofed structure over enclosures for stationary dumpsters shall have a vertical clearance of 14'.
- Dumpster enclosures shall not be located in required setbacks.
- The enclosure must be lockable.
- The gates shall be constructed with commercial grade hinges, poles, and hasps.
- Precast curb stops shall be placed around the entire inside perimeter of the enclosure except where doors are located.

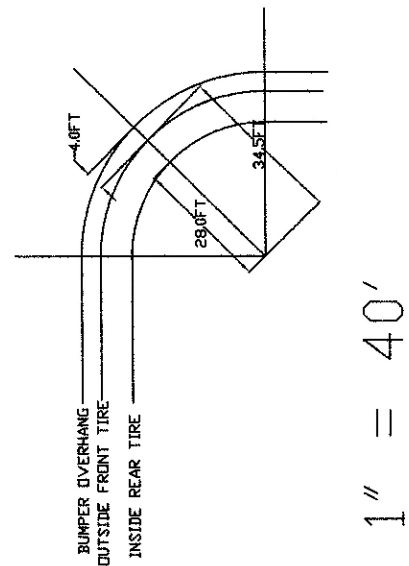
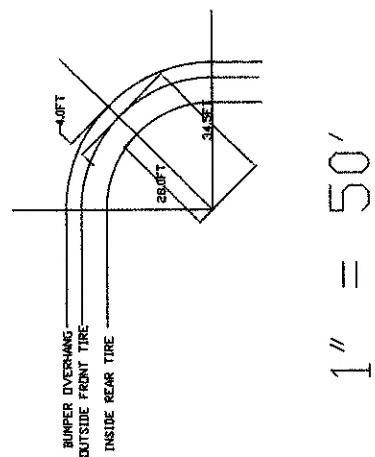
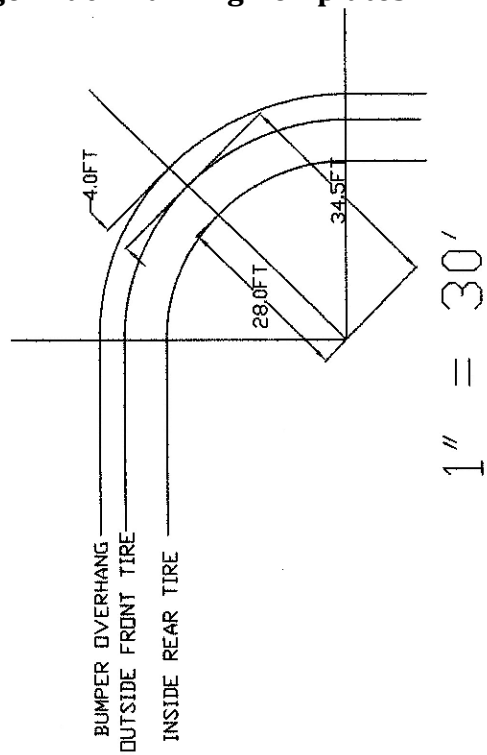
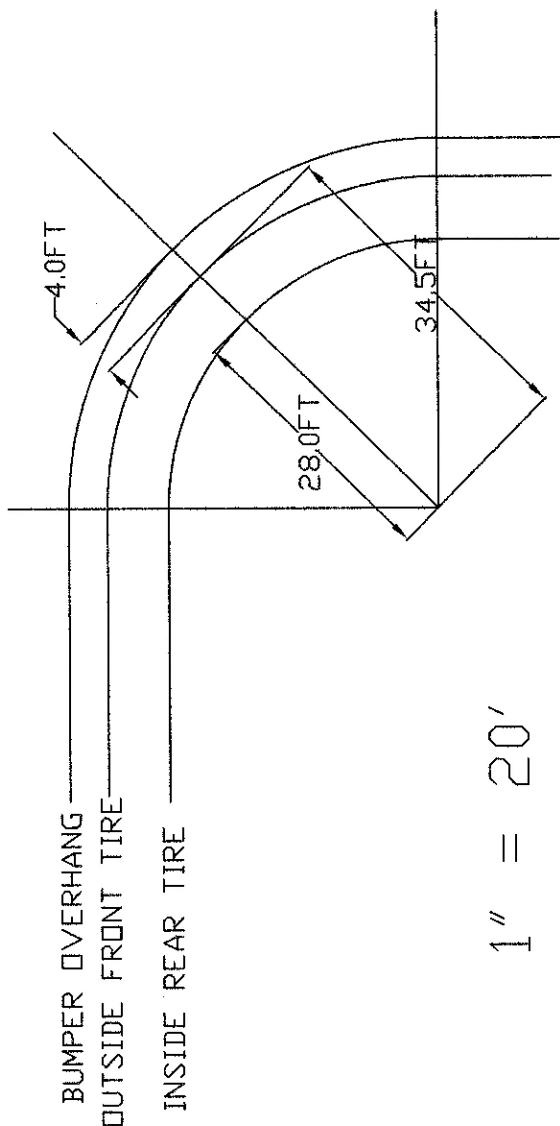
- The attached enclosure standards offer two alternatives (wide and deep) for various dumpster sizes. Enclosures shall comply with the attached diagrams, but alternative configurations may be approved by the City (it is anticipated that there will be circumstances where an alternative design is appropriate based on various site constraints). Enclosures for compactors should be custom designed based on the parameters of the compactor.
- If waste chutes are used they must be designed with:
 - three separate chutes, one each for recycling, garbage, food waste; or
 - two chutes (recycling and garbage) with food waste collection on each floor and in the same room as the waste chute access; or
 - one chute which switches between recycling and garbage with food waste collection on each floor and in the same room as the waste chute access.

IV. Design Guidelines

Waste locations should be convenient for residents/businesses. In general, waste enclosures should

- be provided within 250' of each resident/use, unless other site planning factors preclude this.
- In locations where wildlife is an issue, wildlife resistant carts and steel lidded dumpsters may be necessary. These may be available from the hauler, please discuss prices and options with the hauler.

V. Garbage Truck Turning Templates



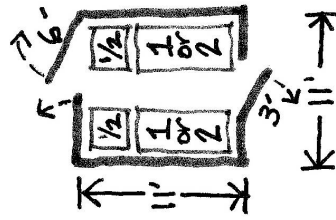
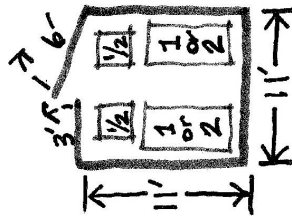
VI. Enclosure Plans

Enclosure Diagrams

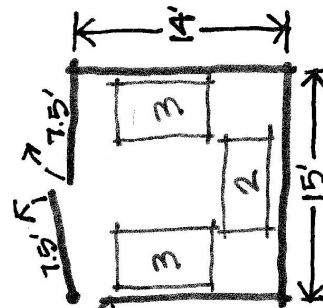
All dimensions, interior dimensions.

1 2

1 or 2 yard waste & recycle dumpsters on rollers, with 1/2 yard food waste toters.

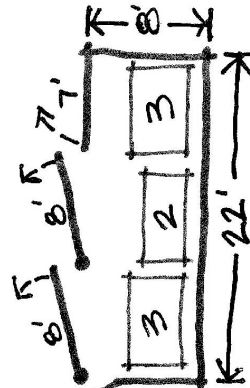


- or -



2 yard waste & recycle dumpsters, 2 yard food waste dumpster, all on rollers.

3



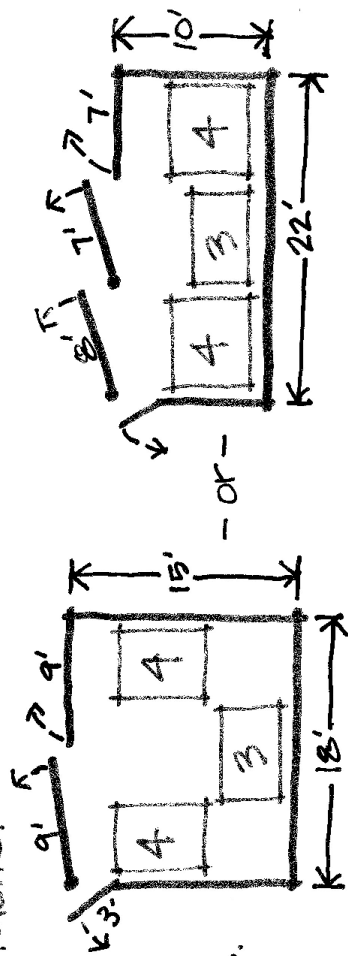
- or -

Enclosure Diagrams

All dimensions, interior dimensions.

4

4 yard waste & recycling dumpsters, 3 yard food waste dumpster, all on rollers.



6

6 yard waste & recycling non-rolling dumpsters, 4 yard food waste.

